

ENGINEERING
RELEASE

LAL	Revisions			216	F
	Rev.	Description	Chk.	Date	Approved
	A	ENGRG RELEASE	BN	4/1/76	J. W.
	B	REVISED MATERIAL LIST	BN	5/1/76	J. W.
	C	REVISED MATERIAL LIST	BN	6-1-76	J. W.
	D	REVISED MATERIAL LIST: ITEM 27 QTY WAS 2, REMOVED R3. ITEM 29 QTY WAS 3, REMOVED R13. ITEM 30 QTY WAS 1, ADDED R13, R3. ITEM 41 WAS 47PF, P/N WAS 117160-470.	BN	7-23-76	E. Wat.
	E	ADDED SCHEMATIC DWG & BOARD DETAIL, ADDED NOTE 2. M/L: ITEM 12 ADDED Q9, ADDED ITEM 20, REMOVED R13 FROM ITEM 30, ADDED ITEM 32, ITEM 34 WAS 18K P/N 116447-183 QTY 1, ITEM 35 WAS 39K P/N 116447-393, DELETED ITEM 37, ITEM 42 REMOVED C9, ADDED ITEM 50 (C9), ITEM 52 (C5, 8), ITEM 48 WAS 4 RQD	BN	8-15-76 9-28-76	J. W.
	F	ADDED NOTE 2 M, N, O. M/L DELETED ITEM 41, ADDED C2 TO ITEM 42, ADDED ITEM 54.	BN	4-28-77	J. W.

Dist. Code ALT

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- Notes Unless Specified
- Tolerances
XX $\pm .030$
XXX $\pm .010$
Angular $\pm \frac{1}{4}^\circ$
 - Break All Sharp Edges
.010 Approx.
 - Mach. Surfaces ☒
 - All Dim. In Inches

Drawn *M. J. K.* 4-5-76
Check *K. J. K.* 6-1-76
Appr. *E. J. K.* 2-1-76

Xerox Corporation
El Segundo, California

XEROX

ALTO II

ASSEMBLY, PRINTED WIRING-
KEYBOARD

Model No. ALTO II
First Use EWO 7YF92

Finish

Code Ident.
18338

Size
A

Dwg. No.
216420

Change Letter
F

Next Assy.
First Use 216445

Scale —

Do Not Scale Drawing

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NOTES: UNLESS OTHERWISE SPECIFIED

1. ASSEMBLE PER ALTO II MODULE ASSEMBLY SPEC, DWG NO. 216207.

2. CUT ETCH AND ADD JUMPERS AS FOLLOWS:

- A. ADD JUMPER FROM CR1(+) TO A1-14 (CIRCUIT SIDE).
- B. CUT ETCH BETWEEN A1-14 AND C14 (CIRCUIT SIDE).
- C. CUT ETCH BETWEEN C9 AND R17, 2PLACES (CIRCUIT SIDE).
- D. CUT ETCH BETWEEN R11-1 AND R10 (CIRCUIT SIDE).
- E. CUT ETCH TO R17 (COMPONENT SIDE).
- F. CUT ETCH TO A1-14 (COMPONENT SIDE).
- G. ADD JUMPER FROM A1-7 TO Q9-E (CIRCUIT SIDE).
- H. ADD JUMPER FROM C9(+) TO Q9-B (CIRCUIT SIDE).
- I. ADD JUMPER FROM R17 (BOTTOM) TO Q9-C (CIRCUIT SIDE).
- J. INSTALL 36K (R28) FROM Q9-B TO R18 (CIRCUIT SIDE).
- K. INSTALL TRANSISTOR (Q9) IN NEW DRILLED HOLES. (COMPONENT SIDE). SEE DETAIL A.
- L. ADD 510 OHM RESISTOR (R29) FROM R15 TO R10 (CIRCUIT SIDE).
- M. ADD JUMPER FROM A11-14 TO A11-11, CKT SIDE.
- N. ADD JUMPER FROM A11-15 TO A11-12, CKT SIDE.
- O. ADD 270 RESISTOR (R30) FROM A11-15 TO +5V, CKT SIDE. SEE DETAIL B.

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Title

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ASSEMBLY, PRINTED WIRING - KEYBOARD

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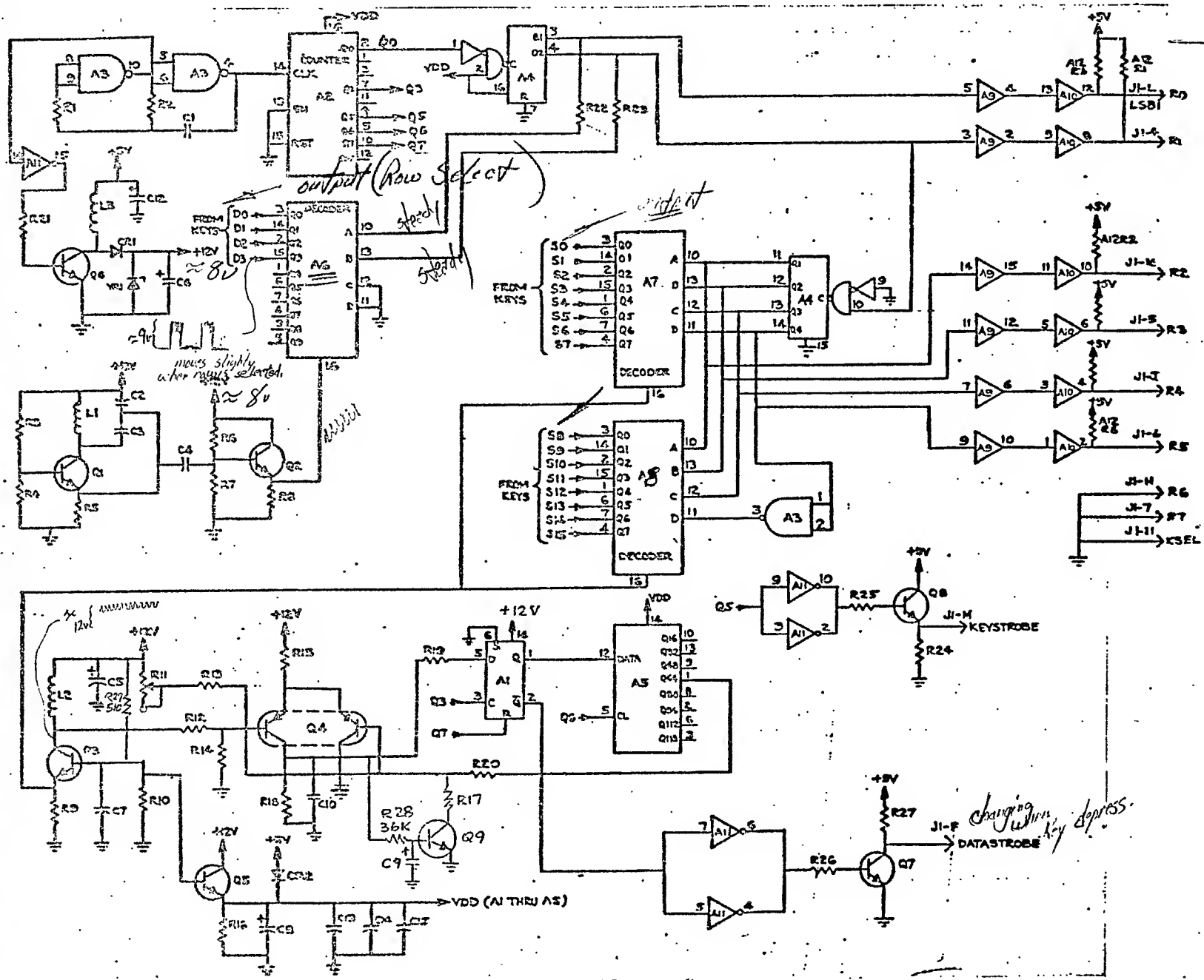
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KEYBOARD

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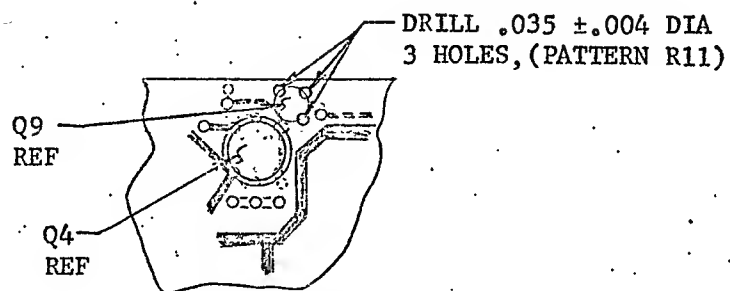
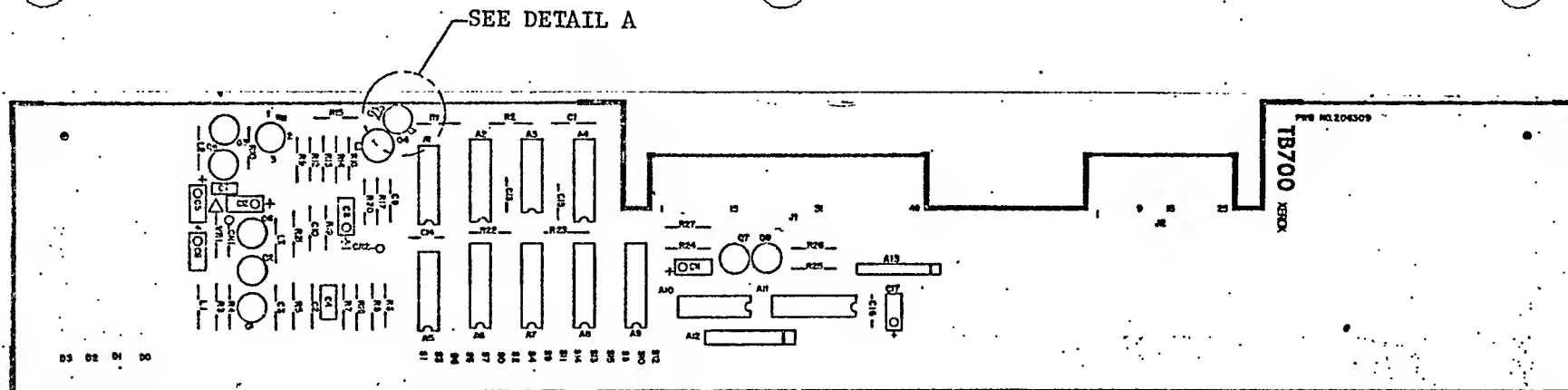
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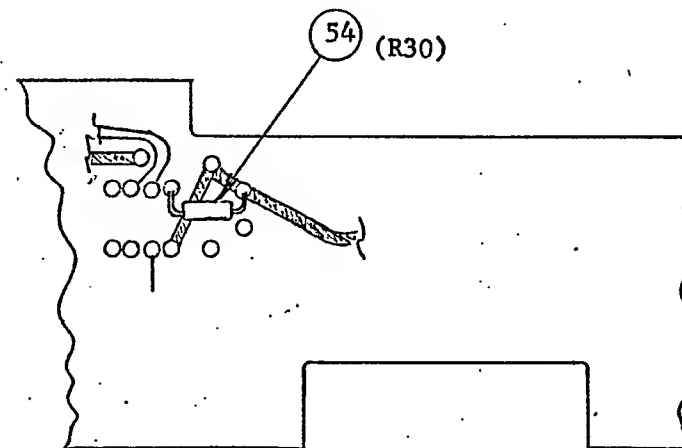
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DETAIL A (COMPONENT SIDE)

SCALE: 1/1



DETAIL B (CIRCUIT SIDE)

SCALE: 1/1

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ASSEMBLY, PRINTED WIRING - KEYBOARD

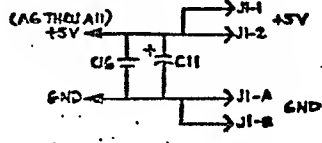
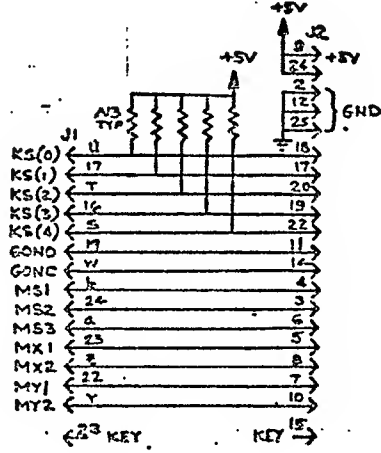
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